A GUIDE TO THE SUITABILITY OF WATERS FOR THE PROPAGATION AND CULTURE OF FISH

FACTOR		ACCEPTABLE VALUES		
Temperature		for Trout 58-65°F for Catfish 70-88°F		
Dissolved Oxygen pH Alkalinity CaCO ₃ Hardness Sulfate Chlorine Sodium Total Dissolved So ds Salin!ty Carbon Dioxide	- - - - - - -	> 8 ppm 7.2 - 8.0 200-300 ppm 20-50 ppm 100-200 ppm 100-200 ppm 100-150 ppm 500± < 3000 ppm < 5 ppm		
Heavy Metals Nitrates Hydrogen Sulphide Pesticide Residues	- - -	No Tolerance No Tolerance No Tolerance No Tolerance		

COMPARISON OF N.M.WOCC GROUND-WATER STANDARDS AND U.S.EPA DRINKING-WATER STANDARDS & HEALTH ADVISORIES, OCTOBER 1988.

All units are mg/L unless otherwise specified. All standards listed are based upon health concerns except for the parameters followed by (a) aesthetic standard or (i) irrigation standard.

PARAMETER	N.M.WQCC	U.S.EPA Existing MCL	U.S.EPA MCLG	U.S.EPA Lifetime HA or Risk Level*
Inorganics				
Aluminum (i)	5.0			
Arsenic	0.1	0.05		0.05
Barium	1.0	1.0	1.5	1.5
Boron (i)	0.75			
Cadmium	0.01	0.01	0.005	0.005
Chloride (a)	250.	250.		
Chromium	0.05	0.05	0.12	0.12
Cobalt (i) Copper (a)	0.05 1.0	1.0	1.3	
Fluoride	1.6	4.0	1.3	
Gross Alpha (pCi/L)	1.0	15.		
Gross Beta (pCi/L)		50.		
Iron (a)	1.0	0.3		
Lead	0.05	0.05	0.02	0.02
Manganese (a)	0.2	0.05		
Mercury	0.002	0.002	0.003	0.003
Molybdenum (i)	1.0			
Nickel (i)	0.2	10		0.15
Nitrate-N Nitrite-N	10.0	10.	1.0	10.0 1.0
pH (units) (a)	6-9	6.5-8.5	1.0	1.0
Radium (226 & 228; pCi,		5.		
Selenium	0.05	0.01	0.045	
Silver	0.05	0.05	• • • • • • • • • • • • • • • • • • • •	
Sulfate (a)	600.	250.		
TDS (a)	1000.	500.		
Uranium	5.0	_		
Zinc (a)	10.0	5.		
Benzenes				
Benzene	0.01	0.005		0.007*
Toluene	0.75	0.000	2.0	2.0
Ethylbenzene	0.75		0.68	0.68
Xylenes	0.62		0.44	0.44
Styrene			0.14	0.14*
Chlorobenzene			0.06	0.6
o-Dichlorobenzene			0.62	0.62
m-Dichlorobenzene		0.075		0.62 0.75
p-Dichlorobenzene		0.075		0.75 0.0002*
Hexachlorobenzene			0.22	0.0002*
Pentachlorophenol Phenols (a)	0.005		0.22	V. Z.L
ruenuis (a)	0.003			

PARAMETER	N.M.WQCC	U.S.EPA Existing MCL		U.S.EPA Lifetime HA r Risk Level*
Other Pesticides continue Ammonium Sulfamate Atrazine Baygon Bentazon Bromacil Butylate Carbaryl Carbofuran Carboxin Chloramben	ued		0.036	1.5 0.003 0.003 0.0175 0.08 0.05 0.7 0.036 0.7
Chlordane Chlorothalonil			Zero	0.00027* 0.015*
Cyanazine 2,4-D Dacthal		0.1	0.07	0.009 0.07 3.5
Dalapon Diazinon Dicamba 1,3-Dichloropropene Dieldrin Dimethrin Dinoseb "Dioxin" Diphenamid Disulfoton Diuron Endothall Endrin Ethylene Thiourea Fenamiphos Fluometuron Fonofos Glyphosate Heptachlor Heptachlor Epoxide Hexazinone		0.0002	Zero Zero	0.56 0.00063 0.009 0.002* 0.0000219 2.1 0.007 0.00000000022 0.2 0.0003 0.014 0.14 0.0002 0.0024* 0.0018 0.09 0.014 0.7 0.00076* 0.00038* 0.21
Lindane Maleic Hydrazide MCPA Methomyl		0.004	0.0002	0.002 3.5 0.0036 0.175
Methoxychlor Methyl Parathion Metolachlor Metribuzin Oxamyl Paraquat Picloram Prometon Pronamide Propachlor		0.1	0.34	0.34 0.002 0.01 0.175 0.175 0.003 0.49 0.1 0.052 0.092

Use and Applicability of Standards

All N.M.WQCC standards are enforceable, including aesthetic and irrigation standards. The aesthetic standards of U.S.EPA are merely recommended limits.

U.S.EPA's MCLGs are set at levels that would result in no known or anticipated adverse health effects with an adequate margin of safety. MCLGs do not take treatment costs into consideration and are not enforceable. Final MCLs are enforceable. In addition to having set MCLGs for presently unregulated contaminants, the U.S. EPA has proposed to modify several existing MCLs.

U.S. EPA's HAs serve as informal technical guidance to assist Federal, State and local officials responsible for protecting public health when emergency spills or contamination situations occur. They are not to be construed as legally enforceable Federal standards and are subject to change as new information becomes available. HAs are developed for one-day, ten-day, 7-year and lifetime exposures. All HAs listed above are for lifetime exposure unless otherwise indicated. Lifetime HAs are not recommended by U.S. EPA for known or potential carcinogens. Instead, chemical concentrations are correlated with hypothetical excess lifetime cancer risks. See footnote (*) above.

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